Form PTO-1449	ATTY DOCKET NO. QE1051.US		APPLICATION 1				
INFORMATION DISCLOS	APPLICANT Perozo et al		·				
(Fa several sheets if	FILING DATE 07/15/2003		GROUP 2651	2182			
APR 0 4 2005: 65	U.S. PATENT						
The Age Dollary March 1		·	CLASS	SUB	PILING DATE		
MENT NUMBER	Kind DATE	NAME)	Caros	CLASS	IP APPROPRIATE		
ale 4,603,382	07/1986						
5,249,271		Hopkinson					
<i>ac</i> 5,276,662		Shaver, Jr. et al					
ale 5,361,267		Godiwala et al					
all. 5,640,602	06/1997						
ale 6,134,063	4	Weston-Lewis et al	_				
acc 6,157,984	12/2000			4			
ac 6,487,631		Dickinson et al	_	 			
5,271,018	12/1993			1	<u> </u>		
ale 5,500,848		Best et al					
ale 5,615,190 ale 5,822,142	·	Best et al					
	10/1998	1			1		
acc 5,835,930	11/1998	I		-	1		
Acc 5,937,435		Dobbek et al					
acc 6,201,655	<u> </u>	Watanabe et al	_		 		
ALC 6,201,655 ALC 6,223,303 ALC 6,279,089		Billings et al Schibilla et al			 		
	1	Pinvidic et al		+	 		
Ale 6,470,461 5,127,098		Rosenthal et al			 		
ale 5,127,098 ale 5,315,708	-	Eidler et al			 		
		Good et al.			+		
ale 5,420,984 ale 5,572,148		Lytle et al		+			
alc 5,649,230	07/1997				1		
<i>Ale.</i> 5,841,722	1	Willenz					
ale 5,890,207		Sne et al	_		 		
	05/1999	1	-		 		
acc 5,907,717 211 5,983,293	I	Murakami		=			
6,029,226	1	Ellis et al					
6,070,200	05/2000	Gates et al	-				
ale 6,081,849	06/2000	Born et al	_		1		
6,401,149	06/2002	Dennin et al	-				
6,330,626		Dennin et al	_				
ale 3,800,281	I	Devore Bt Al.					
ale 4,881,232		Sako Et Al					
ale 4,949,342		Shimbo Bt Al					
ale 5,027,357	•	Yu Et Al					
alc 5,068,857	■	Yoshida					
<i>alc</i> 5,136,592	08/1992		_				
alc 5,157,669		Yu Et Al					
alc 5,361,266	11/1994	Kodama Bt Al	7-				
EXAMINER STATES		DATE CONSIDERED 04	1/14	105			
EXAMINER: Initial/if/citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

2C 5,051,998 09/1991 Murai Et Al 2C 5,088,093 02/1992 Storch Et Al 2C 5,117,442 05/1992 Hall 2C 5,146,585 09/1992 Smith, III 2C 5,162,954 11/1992 Miller Et Al 2C 5,204,859 04/1993 Paesler Et Al 2C 5,220,569 06/1993 Hartness 2C 5,237,593 08/1993 Fisher Et Al 2C 5,243,471 09/1993 Shinn 2C 5,243,471 09/1993 Shinn 2C 4,500,926 02/1985 Yoshimaru Et Al 2C 4,500,926 02/1985 Glover 2C 4,972,417 11/1990 Sako Et Al 2C 4,972,417 11/1990 Sako Et Al	Form PTO-1449		ATTY DOCKET NO. QE1051.US	`	APPLICATION 10/619,				
U.S. PATENT DOCUMENTS	IN AN APPLICATION								
### Section 10,1995 10	APK U 4 2005 - 651	FILING DATE GROUP 2651		2651 2	12/82				
### Section 10,1995 10	U.S. PATENT DOCUMENTS								
### Section 10,1995 10	5,491,701	02/1996	Zook						
### S. 592.404	010 5,563,896	10/19961	Nakaguchi						
### State	acc .		_						
### Accession of the comment of the									
### Section Se	wac								
### Section of the content of the co		02/1997	Blauer et al.	-					
### ### ### ### #### #### ############		05/1997	Zook						
### 107/2000 Sze	010 5,991,911	11/1999	Zook						
### ### ### ### #### #################	als 6,092,231	07/2000	Sze						
### 4,805,046 02/1989 Miyazawa Et Al	010 4,001,883	01/1977	Strout Et Al						
### ### ##############################		02/1989	Kuroki Et Al		 -				
### ### ##############################	alc 4,809,091	02/1989	Miyazawa Et Al						
### Section Se		01/1991	Kuroe Et Al.						
### State		09/1991	Holsinger						
12/1993 Buch	a/c 5,068,755	11/1991	Hamilton Et Al						
12/1993 Buch	QLP 5,257,143	10/1993	Zangenehpour						
	AC 5,274,509	12/1993	Buch			· · · · · · · · · · · · · · · · · · ·			
### 100	010 5,276,564	01/1994	Hessing Et Al						
### 100	010 5,307,216	04/1994	Cook Et Al						
### ### ##############################	016 5,627,695	05/1997	Prins et al						
### ### ##############################	alc 4,016,368	04/1977	Apple Jr.		-				
	GLC 4,156,867	05/1979	Bench Et Al						
	alc 4,225,960	09/1980	Masters						
QUE 4,860,333 08/1989 Bitzinger Et Al QUE 4,866,606 09/1989 Kopetz QUE 4,920,535 04/1990 Watanabe Et Al QUE 5,023,612 06/1991 Liu QUE 5,051,998 09/1991 Murai Et Al QUE 5,088,093 02/1992 Storch Et Al QUE 5,117,442 05/1992 Hall QUE 5,146,585 09/1992 Smith, III QUE 5,162,954 11/1992 Miller Et Al QUE 5,204,859 04/1993 Paesler Et Al QUE 5,220,569 06/1993 Hartness QUE 5,237,593 08/1993 Fisher Et Al QUE 5,243,471 09/1993 Shinn QUE 4,500,926 02/1985 Yoshimaru Et Al QUE 4,500,926 02/1985 Yoshimaru Et Al QUE 4,972,417 11/1990 Sako Et Al QUE 4,972,417 11/1990 Sako Et Al QUE 5,218,564 06/1993 Haine considered. whether or not citation is in conformance with N.P.B.P. Et P.		02/1989	Hagenauer Et Al		-				
Ale 4,866,606 09/1989 Kopetz Ale 4,920,535 04/1990 Watanabe Et Al Ale 5,023,612 06/1991 Liu Ale 5,051,998 09/1991 Murai Et Al Ale 5,088,093 02/1992 Storch Et Al Ale 5,117,442 05/1992 Hall Ale 5,146,585 09/1992 Smith, III Ale 5,162,954 11/1992 Miller Et Al Ale 5,204,859 04/1993 Paesler Et Al Ale 5,220,569 06/1993 Hartness Ale 5,237,593 08/1993 Fisher Et Al Ale 5,243,471 09/1993 Shinn Ale 5,544,180 08/1996 Gupta Ale 4,500,926 02/1985 Yoshimaru Et Al Ale 4,777,635 10/1988 Glover Ale 4,972,417 11/1990 Sako Et Al Ale 4,975,915 12/1990 Sako Et Al Ale 5,218,564 06/1993 Haines et al EXANTINGE DATE CONSIDERED Ale DATE CONSIDERED Ale Ale 10/14/05		08/1989	Bitzinger Et Al						
ALC 4,920,535 04/1990 Watanabe Et Al ALC 5,023,612 06/1991 Liu ALC 5,051,998 09/1991 Murai Et Al ALC 5,088,093 02/1992 Storch Et Al ALC 5,117,442 05/1992 Hall ALC 5,146,585 09/1992 Smith, III ALC 5,162,954 11/1992 Miller Et Al ALC 5,204,859 04/1993 Paesler Et Al ALC 5,220,569 06/1993 Hartness ALC 5,237,593 08/1993 Fisher Et Al ALC 5,243,471 09/1993 Shinn ALC 5,243,471 09/1993 Shinn ALC 4,500,926 02/1985 Yoshimaru Et Al ALC 4,777,635 10/1988 Glover ALC 4,972,417 11/1990 Sako Et Al ALC 5,218,564 06/1993 Haines et al EXANINER DATE CONSIDERED DA/14/05 EXANINER DATE CONSIDERED DA/14/05 EXANINER DATE CONSIDERED DA/14/05		09/1989	Kopetz	_	-				
QCC 5,023,612 06/1991 Liu QCC 5,051,998 09/1991 Murai Et Al QCC 5,088,093 02/1992 Storch Et Al QCC 5,117,442 05/1992 Hall QCC 5,146,585 09/1992 Smith, III QCC 5,162,954 11/1992 Miller Et Al QCC 5,204,859 04/1993 Paesler Et Al QCC 5,220,569 06/1993 Hartness QCC 5,237,593 08/1993 Fisher Et Al QCC 5,243,471 09/1993 Shinn QCC 4,500,926 02/1985 Yoshimaru Et Al QCC 4,500,926 02/1985 Yoshimaru Et Al QCC 4,972,417 11/1990 Sako Et Al QCC 4,972,417 11/1990 Sako Et Al QCC 5,218,564 06/1993 Haines et al EXAMINER DATE CONSIDERED DATE CONSIDERED		04/1990	Watanabe Et Al						
### Description of the property of the conformance and no page 1 1 1 1 1 1 1 1 1 1	aic 5,023,612	06/1991	Liu	<u></u>					
ACC 5,088,093 02/1992 Storch Et Al ACC 5,117,442 05/1992 Hall ACC 5,146,585 09/1992 Smith, III ACC 5,162,954 11/1992 Miller Et Al ACC 5,204,859 04/1993 Paesler Et Al ACC 5,220,569 06/1993 Hartness ACC 5,237,593 08/1993 Fisher Et Al ACC 5,243,471 09/1993 Shinn ACC 4,500,926 02/1985 Yoshimaru Et Al ACC 4,500,926 02/1985 Yoshimaru Et Al ACC 4,972,417 11/1990 Sako Et Al ACC 4,972,417 11/1990 Sako Et Al ACC 5,218,564 06/1993 Haines et al EXAMINER DATE CONSIDERED D4/14/05 EXAMINER DATE CONSIDERED D4/14/05	acc 5,051,998	09/1991	Murai Et Al						
		02/1992	Storch Et Al						
	alc 5,117,442			-					
5,204,859 04/1993 Paesler Et Al 06/1993 Hartness 06/1993 Hartness 08/1993 Fisher Et Al 09/1993 Shinn 09/1995 Sako Et Al 09/1993 Sako Et Al 09/1993 Sako Et Al 09/1993 Shinn 09/1	004								
OLC 5,220,569 06/1993 Hartness OLC 5,237,593 08/1993 Fisher Et Al OLC 5,243,471 09/1993 Shinn OLC 4,500,926 08/1996 Gupta OLC 4,500,926 02/1985 Yoshimaru Et Al OLC 4,777,635 10/1988 Glover OLC 4,972,417 11/1990 Sako Et Al OLC 4,975,915 12/1990 Sako Et Al OLC 5,218,564 06/1993 Haines et al EXANINER DATE CONSIDERED D4/14/05 EXANINER: Intial if feligation Considered, whether or not citation is in conformance with N.P.S.P. 609; Draw line through citation if not in conformance and no									
OLC 5,220,569 06/1993 Hartness OLC 5,237,593 08/1993 Fisher Et Al OLC 5,243,471 09/1993 Shinn OLC 4,500,926 08/1996 Gupta OLC 4,500,926 02/1985 Yoshimaru Et Al OLC 4,777,635 10/1988 Glover OLC 4,972,417 11/1990 Sako Et Al OLC 4,975,915 12/1990 Sako Et Al OLC 5,218,564 06/1993 Haines et al EXANINER DATE CONSIDERED D4/14/05 EXANINER: Intial if feligation Considered, whether or not citation is in conformance with N.P.S.P. 609; Draw line through citation if not in conformance and no	alc 5,204,859	i							
S, 243, 471 09/1993 Shinn	OLC 5,220,569								
OWC 5,243,471 09/1993 Shinn OWC 4,500,926 02/1985 Yoshimaru Et Al OWC 4,777,635 10/1988 Glover OWC 4,972,417 11/1990 Sako Et Al OWC 4,975,915 12/1990 Sako Et Al OWC 5,218,564 06/1993 Haines et al EXAMINER DATE CONSIDERED DATE CONSIDERED 04/14/05 EXAMINER: Initial is/eljstich Considered, whether or not citation is in conformance with M.P.S.P. 609; Draw line through citation if not in conformance and no	acc 5,237,593								
### ##################################	all 5,243,471								
### A									
4,972,417 11/1990 Sako Bt Al 4,975,915 12/1990 Sako Et Al 5,218,564 06/1993 Haines et al EXANINER DATE CONSIDERED D4/14/05 EXANINER: Initial if elfestion considered, whether or not citation is in conformance with M.P.S.P. 609; Draw line through citation if not in conformance and no									
4,975,915 12/1990 Sako Et Al 5,218,564 5,218,564 DATE CONSIDERED DATE CONSIDERED EXAMINER: Initial is elfation considered, whether or not citation is in conformance with M.P.S.P. 609; Draw line through citation if not in conformance and no									
EXAMINER: Initial it of stien considered, whether or not citation is in conformance with M.P.S.P. 609; Draw line through citation if not in conformance and no	444								
EXAMINER DATE CONSIDERED D4/14/05 EXAMINER: Initial it/Clistical considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and no	ale 4,975,915			<u> </u>					
EXAMINEN: Initial if Cifation considered, whether or not citation is in conformance with M.P.S.P. 609; Draw line through citation if not in conformance and no		06/1993							
EXAMINENT INTERS INCUSSION COMMISSION OF THE COMMISSION OF A CONTINUENCE WITH M.P.S.P. 609; Draw line through citation if not in conformance and no considered. Include conv. of this form with next communication to applicant	11113								
The state of the s									

FORM PTO-1449 ATTY DOCKET NO. QE1051.US APPLICATION NO. 10/619,95								
O P CAN AN APPLICATION	Perozo et al.							
(Use several sheets if necessary	07/15/2003 GROUP 2651 218.		2182					
APR 0 4 2005 6 U.S. PATENT DOCUMENTS								
5,280,488 01/1994 Glover Et Al								
202 5,285,327	. 02/1994 H				 			
5,428,627	06/1995	Jupta						
4,390,969	06/1983 H	layes	 					
acc 4,587,609	05/1986 E	Boudreau Et Al						
ale 4,807,116	02/1989 H	Katzman Et Al						
ale 5,014,186	05/1991	Chisholm						
ale 5,133,062	07/1992	Joshi Et Al			1			
alc 3,988,716	10/1976 F	letcher et al						
acc 4,050,097	*	iu et al						
acc 4,275,457		eighou et al						
all 4,451,898		Palermo et al						
ale 4,486,750	12/1984 F	Aoki		!				
acc 4,625,321	11/1986 F	Pechar et al						
ALC 4,811,282	03/1989 M	Masina						
Alc 4,812,769	03/1989	Agoston						
ac 4,970,418		Masterson						
AC 4,970,418 AC 5,261,081	• 1	Nhite et al						
acc 5,440,751		Santeler et al						
ac 5,692,165.	- 1	Jeddeloh et al						
ay, 5,719,516		Sharpe-Geisler						
acc 5,745,793	· I.	Atsatt et al			•			
ale 5,758,188		Applebaum et al						
ale 5,801,998	09/1998							
ac 5,818,886	10/1998			_				
ac 5,831,922	11/1998							
5,844,844	1_	Bauer et al		 .				
alc 5,850,422	12/1998							
5,854,918	12/1998 F							
alc 5,925,135	· 1	rieu et al						
alc 5,950,223		Chiang et al						
ale 5,968,180	10/1999 F			-				
all 6,029,250	02/2000 F		_		ļ			
ale 6,041,417		Hammond et al	_					
AC 4,667,286 AC 5,109,500		Young et al						
alc 5,109,500	·	(seki et al						
ale 5,523,903		Hetzler et al		 				
ste 5,729,718	03/1998			 				
alc 5,890,210		Shii et al Ellis et al						
ale 6,029,226				<u> </u>	 			
Ale 6,381,659	12/2002	Proch et al	ļ	ļ 1	<u> </u>			
Alc 6,490,635	12/2002	DATE CONSIDERED			1			
Male		04/14	100					
EXAMINER: Initial Af citation considered, whether or not citation is in conformance with M.P.E.P. 609; Dres line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Form PTO-1449 ATTY DOCKET NO. APPLICATION NO. QE1051.US 10/619,954							
 -	NFORMATION DISCLOSURE	CITATION	APPLICANT		L		
IN AN APPLICATION Perozo et al.							
O P Newse several sheets if necessary)			07/15/2003 GROUP 2651		2182		
17	<u> </u>	U.S. PATENT	DOCUMENTS				
24/4	10 4 2005 to 6,574,676	06/2003	Megiddo				
	6,826,650	11/2004	Krantz et al			 	
1000	9AD94ABS 5,072,420	12/1991	Conley et al			 	
all	5,193,197	03/1993	Thacker				
ale	5,249,271	09/1993	Hopkinson et al			1	
ale	5,276,807	01/1994	Kodama et al				
20	5,301,333	04/1994	Lee				
all	5,339,443		Lockwood	-			
ala	5,408,644		Schneider et al				
ale	5,465,343		Henson et al				
are	5,487,170		Bass et al				
all	5,506,989	1	Boldt et al				
14	5,507,005		Kojima et al	-			
are	5,519,837	05/1996					
ale	5,544,346	08/1996	1				
ace	5,546,545	08/1996					
ale	5,546,548		Chen et al				
acc	5,574,867	11/1996				<u> </u>	
ale	5,583,999	1	Sato et al				
ale	5,623,672	04/1997	-				
ale	5,664,121	1	Cerauskis				
ac	5,689,656	1	Baden et al			<u> </u>	
are	5,692,135		Alvarez II et al				
ale	5,740,466	04/1998					
alc	5,784,569		Miller et al				
acc	5,794,073	1 7 1	Ramakrishnan et al				
ale	6,178,486		Gill et al Krantz et al.				
aje	6,530,000 5,488,688	· · · · · · · · · · · · · · · · · · ·	Gonzales et al			 	
ale	5,754,759		Clarke et al			 	
are	6,297,926		Ahn, Young-Sub			 	
ale	6,094,320		Ahn, Young-Sub				
ale	6,054,320		Hull Et Al.			 	
ple	6,078,447		Sim, Dong-Goo			 	
ale	6,065,053	1 1	Nouri et al			 	
	6,124,994	1 1	Malone, Sr			-{	
ale	4,080,649		Calle et al				
acc	5,285,451	1 1	Henson et al			 	
110	5,691,994		Acosta et al			 	
12/2	5,912,906	I I	Wu Et Al			11	
111	6,192,499	02/2001				1	
aid	6,662,334		Stenfort			1	
EXAMINE			DATE CONSIDERED	5			
EXAMINER: Initial of disting considered, whether or not citation is in comformance with N.P.E.P. 669/ Draw Nine through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

1			ATTY DOCKET NO. APPLICATION NO. 10/619,954						
THEOMETICAL DEPOSITION OF STREET			APPLICANT Perozo et al						
(Use several sheets if necessary)			PILING DATE 07/15/2003 GROUP 2651 2/8			82			
	-L-APR	0 4 2005 W			<u> </u>				
	13	2	U.S	. PATENT I					
ale	200 1	44870		•	Wilson et al				
ale	3003/00	37225		02/2003	Deng Et Al.				
			FORE	IGN PATENT	DOCUMENTS		<u> </u>		
	Office	DOCUMENT	Kind	DATE	COUNTRY	CLASS	SUB	TRANS	ATION
		NUMBER				 	CIAES	TES	NO.
auc		0718827		06/1996	ĒР				
ase		2285166		06/1995	GB				
we		0528273		02/1993	EP			•	
aic		0622726		11/1994	EP				
ac		03183067		08/1991	JP	ļ			
asc.		63-292462		11/1988	JP				
acc		01-315071		12/1989	JP .				
DO.		98/14861		04/1998	WO				
OTHER DOCUMENTS (Include Mame of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.									magasine,
journal, s								200 2	
aic	PCT International Search Report, Doc. No. PCT/US00/15084, Dated Nov. 15, 2000, 2 Pages.								
acc	Blathut R. Digital Transmission of Information (Dec. 4, 1990), pp 429-430								
aic	Hwang, Kai and Briggs, Faye A., "Computer Architecture and Parallel Processing" pp- 156-164								
are	Zeidman, Bob, "Interleaving DRAMS for faster access", System Design ASIC & EDA, pp 24-34 (Nov. 1993).								
acc	P.M. Bland et. al. Shared Storage Bus Circuitry, IBM Technical Disclosure Bulletin, vol. 25, no. 4, sep 1982, pp 2223-2224								
ace	PCT search report for PCT/US00/07780 mailed 08/02/2000, 4 Pages								
PCT Search Report for PCT/US01/22404, mailed 01/29/2003, 4 Pages									
				*					
6	EXAMINER DATE CONSIDERED D4/14/05								
EXAMINER: Considered	SEANINER: Initial if citation considered, whether or not citation is in conformance with M.P.B.P. 609; Draw line through offician it not in conformance and not considered. Include popy of this form with next communication to applicant.								